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CONTAINS NO CEI



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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY Comprehensive Assessment Information Rule REPORTING FORM

When	completed,	send	this	form	to:
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Document Processing Center Office of Toxic Substances, TS-790 U.S. Environmental Protection Agency 401 M Street, SW Washington, DC 20460 Attention: CAIR Reporting Office

For Agency Use Only:
Date of Receipt:
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Docket Number:

EPA Form 7710-52

1		
PART	A G	ENERAL REPORTING INFORMATION
1.01	Thi	s Comprehensive Assessment Information Rule (CAIR) Reporting Form has been
CBI	con	pleted in response to the <u>Federal Register Notice of $[\underline{J}]\underline{Z}$ $[\underline{Z}]\underline{Z}$ $[\underline{B}]\underline{B}$ year</u>
[_]	a.	If a Chemical Abstracts Service Number (CAS No.) is provided in the Federal
		- <u>Register</u> , list the CAS No [0]0]0]5] <u>8</u>]4]-[8]4]-[9]
	b. *	If a chemical substance CAS No. is not provided in the Federal Register, list either (i) the chemical name, (ii) the mixture name, or (iii) the trade name of the chemical substance as provided in the Federal Register.
		(i) Chemical name as listed in the rule
		(ii) Name of mixture as listed in the rule
		(iii) Trade name as listed in the rule
	c.	If a chemical category is provided in the Federal Register, report the name of the category as listed in the rule, the chemical substance CAS No. you are reporting on which falls under the listed category, and the chemical name of the substance you are reporting on which falls under the listed category.
		Name of category as listed in the rule
		CAS No. of chemical substance [_]_]_]_]_]_]_]_[_]-[_]
		Name of chemical substance
1.02	Ide	entify your reporting status under CAIR by circling the appropriate response(s).
CBI	Man	ufacturer 1
[_]	Imp	orter 2
	Pro	cessor3
	X/F	manufacturer reporting for customer who is a processor 4
	X/F	processor reporting for customer who is a processor
[_]	Mark	(X) this box if you attach a continuation sheet.

SECTION 1 GENERAL MANUFACTURER, IMPORTER, AND PROCESSOR INFORMATION

1.03 CBI	Does the substance you are reporting on have an "x/p" designation associated with it in the above-listed Federal Register Notice? Yes
[_]	No
1.04 <u>CBI</u>	a. Do you manufacture, import, or process the listed substance and distribute it under a trade name(s) different than that listed in the Federal Register Notice? Circle the appropriate response. Yes
	b. Check the appropriate box below: N/A
	[] You have chosen to notify your customers of their reporting obligations Provide the trade name(s)
	[_] You have chosen to report for your customers [_] You have submitted the trade name(s) to EPA one day after the effective date of the rule in the Federal Register Notice under which you are reporting.
1.05 CBI	If you buy a trade name product and are reporting because you were notified of your reporting requirements by your trade name supplier, provide that trade name. Trade name
[_]	Is the trade name product a mixture? Circle the appropriate response.
	Yes
1.06 <u>CBI</u> []	Certification — The person who is responsible for the completion of this form must sign the certification statement below: "I hereby certify that, to the best of my knowledge and belief, all information entered on this form is complete and accurate." (PROPERSON KNOWNERS SOFTEN (NEW (215)) 822 - 2929 TITLE TELEPHONE NO.
[_] }	Mark (X) this box if you attach a continuation sheet.

to EPA within the past 3 years and is current, accurate, and complete for the time period specified in the rule." N/A	with the required information on a CAIR Reporting Form for the listed substance within the past 3 years, and this information is current, accurate, and complete for the time period specified in the rule, then sign the certification below. You are required to complete section 1 of this CAIR form and provide any information now required but not previously submitted. Provide a copy of any previous submissions along with your Section 1 submission. "I hereby certify that, to the best of my knowledge and belief, all required information which I have not included in this CAIR Reporting Form has been submitted to EPA within the past 3 years and is current, accurate, and complete for the time period specified in the rule." N/A							
information which I have not included in this CAIR Reporting Form has been submitted to EPA within the past 3 years and is current, accurate, and complete for the time period specified in the rule." NAME	information which I have not included in this CAIR Reporting Form has been submitted to EPA within the past 3 years and is current, accurate, and complete for the time period specified in the rule." NAME		with the required information within the past 3 years, and for the time period specified are required to complete sect now required but not previous	on a CAIR this infor in the ru ion 1 of tly submitt	Report mation le, the CAIN ed. Pro	ing Form for this current, account of the cert of the	ne listed curate, an tification vide any i	substance nd complete n below. You information
NAME SIGNATURE DATE SIGNED TITLE TELEPHONE NO. DATE OF PREVIOU SUBMISSION 1.08 CBI Certification If you have asserted any CBI claims in this report you must certify that the following statements truthfully and accurately apply to all of those confidentiality claims which you have asserted. "My company has taken measures to protect the confidentiality of the information, and it will continue to take these measures; the information is not, and has not been, reasonably ascertainable by other persons (other than government bodies) by using legitimate means (other than discovery based on a showing of special need in a judicial or quasi-judicial proceeding) without my company's consent; the information is not publicly available elsewhere; and disclosure of the information would cause substantial harm to my company's competitive position." N/A NAME SIGNATURE DATE SIGNED TITLE	NAME SIGNATURE DATE SIGNED TITLE TELEPHONE NO. DATE OF PREVIOUS SUBMISSION 1.08 CBI Certification If you have asserted any CBI claims in this report you must certify that the following statements truthfully and accurately apply to all of those confidentiality claims which you have asserted. "My company has taken measures to protect the confidentiality of the information, and it will continue to take these measures; the information is not, and has not been, reasonably ascertainable by other persons (other than government bodies) by using legitimate means (other than discovery based on a showing of special need in a judicial or quasi-judicial proceeding) without my company's consent; the information is not publicly available elsewhere; and disclosure of the information would cause substantial harm to my company's competitive position." N/A NAME SIGNATURE DATE SIGNED TITLE		information which I have not to EPA within the past 3 year	included in s and is co	n this (CAIR Reporting	Form has	been submitted
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TITLE TELEPHONE NO	TITLE TELEPHONE NO	CBI	certify that the following stathose confidentiality claims we "My company has taken measures and it will continue to take to been, reasonably ascertainable using legitimate means (other a judicial or quasi-judicial prinformation is not publicly aw would cause substantial harm to	tements tryhich you he to protect these measue by other than discoproceeding) ailable el	t the c res; th persons very ba withou sewhere	y and accurate erted. onfidentiality e information : (other than go sed on a showing my company's; and disclosures.	of the in is not, and overnment of spectonsent; te of the	nformation, nd has not bodies) by cial need in
TITLE () TELEPHONE NO.	TITLE TELEPHONE NO.		NAME			SIGNATURE		DATE SIGNED
TITLE TELEPHONE NO.	TITLE TELEPHONE NO.			()	_		
			TITLE	_ `	TELI	EPHONE NO.		1

, ,

PART	B CORPORATE DATA
1.09	Facility Identification
<u>CBI</u>	Name $[A]\underline{m}\underline{\in}\underline{R}]\underline{-}\underline{[E]}\underline{L}\underline{[L]}\underline{A}\underline{B}\underline{[L]}\underline{[N]}\underline{C}\underline{[P]}\underline{P}\underline{P}\underline{O}\underline{D}\underline{D}\underline{U}\underline{C}\underline{[E]}\underline{A}\underline{C}\underline{C}\underline{C}\underline{C}\underline{C}\underline{C}\underline{C}\underline{C}\underline{C}C$
	[MIDINITIGIOIMIELE IVIVITILIE]]]]]]]]]]]]]]]]]]]]]]]]]]]
	[P]A] [J]S]3]6][J]0]0]0] State
	Dun & Bradstreet Number [2]2]-[2]3]4]-[6]6]9]0 EPA ID Number PAD.[2]4]9[6]2]3]9[3]7 Employer ID Number 9[4]7]5]0[2]7[2]6 Primary Standard Industrial Classification (SIC) Code [3]6]6]2 Other SIC Code [3]6]7[2] Other SIC Code [3]6]7[2]
1.10	Company Headquarters Identification
CBI	Name [A] &
	State Zip Dun & Bradstreet Number [0][]-[2][3][4]-[6][4][0] Employer ID Number 9[4][][3][2][2][2][2][3]

, T

.1	Parent Company Identification
<u>:</u>	Name $[A] \not\in [L] = [L] \times [D] \times [L] $
	[<u>[]]A]][]][]][]][]</u> []][]][]][]][]][]][]][]][]
	$ \begin{bmatrix} \overline{P} \\ \overline{A} \end{bmatrix} [\overline{L}] \underline{q} \underline{4} \underline{6} [\overline{L}] \underline{4} \underline{2} \underline{q} $ State
	Dun & Bradstreet Number $[0]0]-[2]3[4]-[6]6[9]0$
.2	Technical Contact
:	Name $[\underline{\mathcal{E}}]$ \underline{D}
]	Title [E N V I R] E S A F E T Y TE C H NIIC IAN
	Address $[3]0]5]$ R F C H A R D S D R R D R D R D R D R D R
	[<u>[]]]]]]]]]]</u> []]]]]]]]]]]]]]]]]]]]]]]]
	$[\underline{P}]\underline{A}] [\underline{I}]\underline{q}]\underline{4}]\underline{4}]\underline{6}] - [\underline{I}]\underline{4}]\underline{2}]\underline{9}]$ State
	Telephone Number
.3	This reporting year is from $[0]3[8]7$ to $[0]2[8]8$ Mo. Year Mo. Year

*

1.14	Facility Acquired If you purchased this facility during the reporting year, provide the following information about the seller: N/A
CBI	Name of Seller [_]_]_]_]_]_]_]_]]]]]]]]]]]]]]]]]]]]]]
[_]	Mailing Address [_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]]]]]]
	[_1_1_1_1_1_1_1_1_1_1_1_1_1_1_1_1_1_1_1
	[_]_] [_]]]]][]]]]]]]]]]]]]]
	Employer ID Number
	Date of Sale
	Contact Person [_]_]_]_]_]_]_]_]_]_]_]]]]]]]]]]]
	Telephone Number
1.15	Facility Sold If you sold this facility during the reporting year, provide the following information about the buyer: N/A
CBI	Name of Buyer [_]_]_]_]_]_]_]_]_]]]]]]]]]]]]]]]]]]]]
[_]	Mailing Address [_]_]_]_]_]_]_]_]_]_]_]_]_]]]]]]]]]]]
	[_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]
	[_]_] [_]]]]]]-[]]]]]]]]]]]
,	Employer ID Number
	Date of Purchase
	Contact Person [_]_]_]_]_]_]_]_]_]_]_]]]]]]]]]]]]]
	Telephone Number
	•

[_] Mark (X) this box if you attach a continuation sheet.

	manufactured, imported, or processed at your facility during the r	eporting year.
CBI, Cla	<u>Q</u>	uantity (kg/yr
Y— Мал	nufactured	
Imp	ported	
Pro	ocessed (include quantity repackaged)	4.73
	that quantity manufactured or imported, report that quantity:	
	In storage at the beginning of the reporting year	0
1	For on-site use or processing	<u> </u>
	For direct commercial distribution (including export)	
	In storage at the end of the reporting year	
0f	that quantity processed, report that quantity:	
	In storage at the beginning of the reporting year	UNK
	Processed as a reactant (chemical producer)	
	Processed as a formulation component (mixture producer)	
	Processed as an article component (article producer)	
	Repackaged (including export)	
	In storage at the end of the reporting year	

PART	C IDENTIFICATION OF MIXTURES		
1.17 CBI	Mixture If the listed subs or a component of a mixture, chemical. (If the mixture co each component chemical for a	provide the following inform mposition is variable, report	ation for each component
[_]	•		Average % Composition by Weight
	Component Name	Supplier Name	(specify precision, e.g., 45% ± 0.5%)
	TOLUENE DIISOCYANATE	EMERSON & CUMING	420%
	IBOCYAWATE PREPOLYMER :	EMERSON & COMING	<u>></u> 80%
	PIEMENTS		
			Total 100%

2.04	State the quantity of the listed substance that your facility manusor processed during the 3 corporate fiscal years preceding the repodescending order.	factured, importing year i	oorted in
CBI			
[_]	Year ending	[<u>o</u>] <u>ə</u>] [₹ Year
	Quantity manufactured	٥	k
	Quantity imported	0	kı
	Quantity processed	UNK	k
	Year ending	[<u>[]]</u> [を Year
	Quantity manufactured	0	k
	Quantity imported	<u> </u>	k
	Quantity processed	0	k
	Year ending	[호] <u>교</u>] [8] S Year
	Quantity manufactured	0	kg
	Quantity imported	0	k
	Quantity processed	0	kg
2.05	Specify the manner in which you manufactured the listed substance. appropriate process types.	Circle all	
CBI	appropriate types	N/A	
[_]	Continuous process		1
	Semicontinuous process		
	Batch process	• • • • • • • • • • • • • • • • • • • •	3
		•	
[]	Mark (X) this box if you attach a continuation sheet.		
`'	•		

2.06 CBI	Specify the manner in appropriate process ty		he listed substance.	Circle all	
[_]	Continuous process				1
	Semicontinuous process	• • • • • • • • • • • • • • • • • • • •		•••••	2
	Batch process	• • • • • • • • • • • • • • • • • • • •			<u>(</u> 3
2.07 CBI	State your facility's substance. (If you ar question.)	name-plate capacity f e a batch manufacture	or manufacturing or processor,	processing the do not answ	ne listed ver this
[_]	Manufacturing capacity			N/A_	kg/yr
	Processing capacity .			<u> </u>	kg/yr
2.08 CBI	If you intend to incre manufactured, imported year, estimate the inc volume.	, or processed at any	time after your curr	ent corporat	te fiscal duction
[_]		Manufacturing Quantity (kg)	Importing Quantity (kg)	Proces Quantit	-
	Amount of increase	Alia	N/A	A/A	
	Amount of decrease	N/A	<u></u>	ع.4	<u> </u>
	Mark (X) this how if v	ou attach a continuat	ion sheet.		

		14		
[-]	Mark (X) this b	ox if you attach a continuation sheet.		
	Average monthly		. <u>~/~</u>	k
*	Maximum daily i	nventory	·N/A	k
CBI	chemical.			
2.10	substance that	um daily inventory and average monthly inventor was stored on-site during the reporting year in	y of the lis	ted a bulk
		Processed	N/A	NA
		Manufactured	~/A	N/A
	Process Type #3	(The process type involving the 3rd largest quantity of the listed substance.)		
		Processed	<u> </u>	A/A
		Manufactured	<u>~\/A</u>	N/A
	Process Type #2	(The process type involving the 2nd largest quantity of the listed substance.)	,	ſ
		Processed	<u> 30 </u>	. 6
		Manufactured		
	Process Type #1	(The process type involving the largest quantity of the listed substance.)		
[_]			Days/Year	_
CBI				Average
1	substance during	e, specify the number of days you manufactured of the reporting year. Also specify the average s type was operated. (If only one or two opera	number of h	ours per

2.09 For the three largest volume manufacturing or processing process types involving the listed substance, specify the number of days you manufactured or processed the listed

		Byproduct, Coproduct	Concentration (%) (specify ±	Source product product
CAS No.	Chemical Name	or Impurity'	<pre>% precision)</pre>	Impuri
<u>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</u>	N/A	N/A	A\/A	<u>~\/A</u>
Use the follo B = Byproduct C = Coproduct I = Impurity		e byproduct, copro	oduct, or impurity	y:
B = Byproduct C = Coproduct		e byproduct, copro	oduct, or impurity	y:
B = Byproduct C = Coproduct		e byproduct, copro	oduct, or impurity	y:
B = Byproduct C = Coproduct		e byproduct, copro	oduct, or impurity	y:
B = Byproduct C = Coproduct I = Impurity		e byproduct, copro	oduct, or impurity	y:
B = Byproduct C = Coproduct I = Impurity		e byproduct, copro	oduct, or impurity	y:
B = Byproduct C = Coproduct I = Impurity		e byproduct, copro	oduct, or impurity	y:
B = Byproduct C = Coproduct I = Impurity		e byproduct, copro	oduct, or impurity	y:
B = Byproduct C = Coproduct I = Impurity		e byproduct, copro	oduct, or impurity	y:

2.12 CBI	Existing Product Types imported, or processed the quantity of listed total volume of listed quantity of listed subslisted under column b. the instructions for for	as a percentage of the Also list the		
	a.	b.	c.	d.
		<pre>% of Quantity Manufactured, Imported, or</pre>	% of Quantity Used Captively	m 6 7-1 Heave ²
	Product Types ¹	Processed	On-Site	Type of End-Users ²
	<u> </u>	100%	<u> </u>	Н
	<pre>"Use the following cod A = Solvent B = Synthetic reactan C = Catalyst/Initiato</pre>	t r/Accelerator/ zer/Scavenger/ t t/Sequestrant t/Degreaser on modifier/Antiwear fier thesive and additives tes to designate the CS = Cons	L = Moldable/Castabl M = Plasticizer N = Dye/Pigment/Colo O = Photographic/Rep and additives P = Electrodepositio Q = Fuel and fuel ad R = Explosive chemic S = Fragrance/Flavor T = Pollution contro U = Functional fluid V = Metal alloy and W = Rheological modi X = Other (specify) type of end-users:	n/Plating chemicals ditives als and additives chemicals l chemicals s and additives additives
,—,	Mark (Y) this box if y	you attach a continua	tion sheet.	

2:.13 ; CBI	Expected Product Types Identify all product types which you expect to manufacture import, or process using the listed substance at any time after your current corporate fiscal year. For each use, specify the quantity you expect to manufacture import, or process for each use as a percentage of the total volume of listed substance used during the reporting year. Also list the quantity of listed substance captively on-site as a percentage of the value listed under column b., and the types of end-users for each product type. (Refer to the instructions for further explanation and an example.)				
	a.	b.	c.	d.	
	Product Types ¹	% of Quantity Manufactured, Imported, or Processed	% of Quantity Used Captively On-Site	Type of End-Users	
	Band .				
	**Itse the following codes to designate product types: A = Solvent				
	² Use the following code				
	<pre>I = Industrial CM = Commercial</pre>	CS = Cons H = Othe	sumer er (specify) <u>militaRY</u>	,	
	Mark (X) this box if ye	ou attach a continua	ation sheet.		

a.	b.	c. Average %	
Product Type ¹	Final Product's Physical Form ²	Composition of Listed Substance in Final Product	Т ₎ Ег
×	F-1	5-50%	Н
1,, 6, 22			
¹ Use the following co A = Solvent		oduct types: L = Moldable/Castabl	e/Rubber
B = Synthetic reacta	int	M = Plasticizer	
C = Catalyst/Initiat Sensitizer	or/Accelerator/	N = Dye/Pigment/Colo	rant/Ink
D = Inhibitor/Stabil	izer/Scavenger/	<pre>0 = Photographic/Rep and additives</pre>	rographic
Antioxidant	<u> </u>	P = Electrodeposition	n/Plating
E = Analytical reage		Q = Fuel and fuel add	ditives
<pre>F = Chelator/Coagula G = Cleanser/Deterge</pre>	nt/Sequestrant	R = Explosive chemica	als and a
H = Lubricant/Friction	nt/begleaser on modifier/Antiwear	<pre>S = Fragrance/Flavor T = Pollution control</pre>	cnemical:
agent		U = Functional fluids	s and add:
I = Surfactant/Emuls:	ifier	V - Metal allow and a	~444 + 4 v.~~
<pre>S = Fiame retardant K = Coating/Binder/Ac</pre>	dhesive and additive	W = Rheological modifies X = Other (specify)	fier ELECTRO
		final product's physic	
A = Gas		stalline solid	Tal TOEM:
B = Liquid	F3 = Grains		
C = Aqueous solution	F4 = 0the	er solid	
D = Paste E = Slurry	G = Gel H = Other	er (specify)	
F1 = Powder	n = Othe	r (shecity)	
³ Use the following cod	es to designate the	type of end-users:	
I = Industrial	CS = Cons		
CM = Commercial	H = 0the	er (specify) militaey	

2.15 CBI	Circ list	le all applicable modes of transportation used to deliver bulk shipments o ed substance to off-site customers.
· [<u> </u>	Truc	k
_	Rail	car
	Barg	e, Vessel
	Pipe	line
	Plan	e
	0the	r (specify) NO BULK SHIPMENTS
2.16 CBI	or p	omer Use Estimate the quantity of the listed substance used by your custrepared by your customers during the reporting year for use under each catend use listed (i-iv).
[_]	Cate	gory of End Use
	i.	Industrial Products
		Chemical or mixture
		Article
	ii.	Commercial Products
		Chemical or mixture
		Article
	iii.	Consumer Products
		Chemical or mixture
		Article
	iv.	Other
		Distribution (excluding export)
		Export
		Quantity of substance consumed as reactant
		Unknown customer uses
<u></u>	Mark	(X) this box if you attach a continuation sheet.

SECTION 3 PROCESSOR RAW MATERIAL IDENTIFICATION

3.01 <u>CBI</u>	Specify the quantity purchased and the average price paid for the listed substance for each major source of supply listed. Product trades are treated as purchases. The average price is the market value of the product that was traded for the listed substance.					
[_]	Source of Supply	Quantity (kg)	Average Price (\$/kg)			
	The listed substance was manufactured on-site.	o	<u> </u>			
	The listed substance was transferred from a different company site.					
	The listed substance was purchased directly from a manufacturer or importer.		0			
	The listed substance was purchased from a distributor or repackager.	4.73	40.38			
	The listed substance was purchased from a mixture producer.	<u> </u>	0			
3.02 CBI	Circle all applicable modes of transportation used to your facility.	deliver the list	ted substance to			
[_]	Truck	• • • • • • • • • • • • • • • • • • • •	🗇			
	Railcar 2					
	Barge, Vessel		3			
	Pipeline		4			
	Plane		5			
	Other (specify)		6			

3.03 CBI	а.	Circle all applicable containers used to transport the listed substance to your facility.
[_]		Bags 1
		Boxes
		Free standing tank cylinders 3
		Tank rail cars 4
		Hopper cars 5
		Tank trucks 6
		Hopper trucks 7
		Drums 8
		Pipeline 9
		Other (specify)10
	b.	If the listed substance is transported in pressurized tank cylinders, tank rail cars, or tank trucks, state the pressure of the tanks.
		Tank cylinders MmHg
		Tank rail cars mmHg
		Tank trucks mmHg

 $[\]$ Mark (X) this box if you attach a continuation sheet.

of the mixture, the name	e of its supplier(s) tion by weight of the	form of a mixture, list the trade name(s) or manufacturer(s), an estimate of the ne listed substance in the mixture, and the prting year.		
Trade Name	Supplier or Manufacturer	Average % Composition by Weight (specify ± % precision)	Amount Processed (kg/yr)	
*ECCOFOAM FP	EMERSON & CUMING	< 35%	4.73	
	84			

[_] Mark (X) this box if you attach a continuation sheet.

PART	PART C RAW MATERIAL VOLUME				
3.05 CBI	State the quantity of the list reporting year in the form of the percent composition, by we	a class I chemica.	i, class ii cr	erial during the nemical, or polymer, and	
[_]		Quantity Used		<pre>% Composition by Weight of Listed Sub- stance in Raw Material (specify ± % precision</pre>	
		(kg/yr)		(Specify ± % precision	
	Class I chemical	0		A/A	
	Class II chemical	0		N/A	
	Polymer	4.73		UNK	

 $[\ \]$ Mark (X) this box if you attach a continuation sheet.

SECTION 4 PHYSICAL/CHEMICAL PROPERTIES

Cana	eral	Inst	ruc	tic	ns:
111	-,	11151		L 1	/11.J +

If you are reporting on a mixture as defined in the glossary, reply to questions in Section 4 that are inappropriate to mixtures by stating "NA -- mixture."

For questions 4.06-4.15, if you possess any hazard warning statement, label, MSDS, or other notice that addresses the information requested, you may submit a copy or reasonable facsimile in lieu of answering those questions which it addresses.

PART	A PHYSICAL/CHEMICAL DAY	TA SUMMARY					
4.01 CBI	Specify the percent purity for the three major 1 technical grade(s) of the listed substance as it is manufactured, imported, or processed. Measure the purity of the substance in the final product form for manufacturing activities, at the time you import the substance, or at the point you begin to process the substance.						
[_]		Manufacture	Import	Process			
	Technical grade #1	N/A % purity	% purity	% purity			
	Technical grade #2	% purity	N∕A% purity	% purity			
	Technical grade #3	% purity	% purity	_ N/A _% purity			
	¹ Major = Greatest quan	tity of listed substanc	e manufactured, impor	ted or processed.			
4.02	Submit your most recent substance, and for ever an MSDS that you develor version. Indicate where appropriate response.	ry formulation containi oped and an MSDS develo	ng the listed substan ped by a different so	ce. If you possess urce, submit your			
	Yes	• • • • • • • • • • • • • • • • • • • •		(Í			
	No 2						
	Indicate whether the MSDS was developed by your company or by a different source.						
	Your company 1						
	Another source			·····			
				•			
	Mark (X) this box if yo	ou attach a continuation	n sheet				

4.03	Submit a copy or reasonable facsimile of any hazard information (other than an MSDS) that is provided to your customers/users regarding the listed substance or any formulation containing the listed substance. Indicate whether this information has been submitted by circling the appropriate response.
	Yes
	No
4.04	For each activity that uses the listed substance, circle all the applicable number(s) corresponding to each physical state of the listed substance during the activity listed. Physical states for importing and processing activities are determined at the time you import or begin to process the listed substance. Physical states for
<u>CBI</u>	manufacturing, storage, disposal and transport activities are determined using the final state of the product.
	Physical State

		Physical State				
Activity	Solid	Slurry	Liquid	Liquified Gas	Gas	
Manufacture	1	2	3	4	5	
Import	1	2	3	4	5	
Process	1	2	3	4	5	
Store	1	2	3	4	5	
Dispose	1	2	3	4	5	
Transport	1	2	3	4	5	

 $^[\ \]$ Mark (X) this box if you attach a continuation sheet.

4.05 Particle Size -- If the listed substance exists in particulate form during any of th following activities, indicate for each applicable physical state the size and the percentage distribution of the listed substance by activity. Do not include particles ≥10 microns in diameter. Measure the physical state and particle sizes fo importing and processing activities at the time you import or begin to process the listed substance. Measure the physical state and particle sizes for manufacturing storage, disposal and transport activities using the final state of the product.

Physical State		Manufacture	Import	Process	Store	Dispose	Transpor
≱ Dust	<1 micron	_ N/A	N/A	<u>م/م</u>	n/A	N/A	N/A
	1 to <5 microns						
	5 to <10 microns						
·Powder	<1 micron						
	1 to <5 microns						
	5 to <10 microns						
							-
Fiber	<1 micron						
	1 to <5 microns						
	5 to <10 microns						
Aerosol	<1 micron						
	1 to <5 microns						
	5 to <10 microns		<u> </u>				

[[]_] Mark (X) this box if you attach a continuation sheet.

SECTION	5	ENVIRONMENTAL	FATE

		ATE CONSTANTS AND TRANSFORMATION PRODUCTS				
1	Ind	icate the rate constants for the following tra	ınsformat	tion proces	ses.	
	a.	Photolysis:				
	*	Absorption spectrum coefficient (peak)	じ込下	(1/M cm)	at	nm
		Reaction quantum yield, 6	UNK.		at	_ nm
		Direct photolysis rate constant, k_p , at	UNK	1/hr		latitude
	b.	Oxidation constants at 25°C:				
		For ¹ 0 ₂ (singlet oxygen), k _{ox}	UNK			1/M H
		For RO ₂ (peroxy radical), k _{ox}	UNK			1/M h
	c.	Five-day biochemical oxygen demand, BOD ₅	こごだ			mg/l
	d.	Biotransformation rate constant:				
		For bacterial transformation in water, $k_b \dots$	UNIK			_ 1/hr
		Specify culture	UNK			_
	e.	Hydrolysis rate constants:				
		For base-promoted process, k _B	いろと			1/M h
		For acid-promoted process, k _A				
		For neutral process, k_N				
	f.					
	g.	Other (such as spontaneous degradation)	i/A			_
			, , , , , , , , , , , , , , , , , , , ,			

 $[\ \ \]$ Mark (X) this box if you attach a continuation sheet.

PART	ВЕ	PARTITION COEFFICIENTS						
5.02	а.	Specify the half-life	of the li	isted subs	tance in the	followi	ng medi	a.
		<u>Media</u>			Half-life	e (speci	fy unit	<u>s)</u>
		Groundwater		UNK				
	*	Atmosphere		しとべ				
		Surface water		UNK				
		Soil		UNK				
	b.	Identify the listed su life greater than 24 h		s known tra	ansformation	products	s that l	have a half-
		CAS No.	<u> 1</u>	Name	Half-li (specify			Media
		ONK					in	
							in	
							in	
							in	
5.03	Spe	cify the octanol-water	partition	coefficie	ent, K _{ow}	UN	JK	at 25
	Met	hod of calculation or d	eterminat	ion	• • • • • • • • • • • • • • • • • • • •			
5.04	Spe	cify the soil-water par	tition co	efficient,	K _d	<u></u>	JK	at 25°
	Soi	l type						
5.05		cify the organic carbon			····· _	٧٧	JK	at 25°
5.06	Spe	cify the Henry's Law Co	nstant, H		•••••	U	iJK	atm-m³/mo]
[_]	Mar	k (X) this box if you a	ttach a c	ontinuatio	n sheet.			

Bioconcentration Factor	Species	Test ¹
UNK	<u>unik</u>	A/A
¹ Use the following codes to	o designate the type of test:	
<pre>F = Flowthrough S = Static</pre>		

6.04 CBI	For each market listed below, state the listed substance sold or transferm	ne quantity sold and the red in bulk during the r	total sales value of eporting year.
[_]	Market	Quantity Sold or Transferred (kg/yr)	Total Sales Value (\$/yr)
	Retail sales		NA
	Distribution Wholesalers		
	Distribution Retailers		
	Intra-company transfer		
	Repackagers		
	Mixture producers		
	Article producers		
	Other chemical manufacturers or processors		
	Exporters		
	Other (specify)		
6.05 <u>CBI</u> [_]	Substitutes — List all known commerce for the listed substance and state the feasible substitute is one which is ed in your current operation, and which is performance in its end uses. Substitute NONE	e cost of each substitut conomically and technolo	e. A commercially gically feasible to us
[_]	Mark (X) this box if you attach a con	tinuation sheet.	

SECTION 7 MANUFACTURING AND PROCESSING INFORMATION

General Instructions:

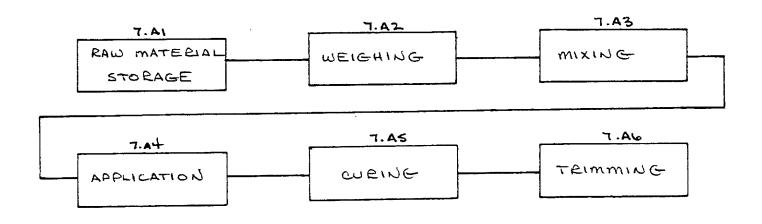
For questions 7.04-7.06, provide a separate response for each process block flow diagram provided in questions 7.01, 7.02, and 7.03. Identify the process type from which the information is extracted.

PART A MANUFACTURING AND PROCESSING PROCESS TYPE DESCRIPTION

7.01 In accordance with the instructions, provide a process block flow diagram showing major (greatest volume) process type involving the listed substance.

CBI

Process type PLASTICS FABRICATION



[] Mark (X) this box if you attach a continuation sheet.

7.03	In accordance with the instructions, provide a process block flow diagram showing a process emission streams and emission points that contain the listed substance and which, if combined, would total at least 90 percent of all facility emissions if no treated before emission into the environment. If all such emissions are released from one process type, provide a process block flow diagram using the instructions for question 7.01. If all such emissions are released from more than one process type, provide a process block flow diagram showing each process type as a separate block.
CBI	
[_]	Process type PLASTICS FABRICATION
	∧/A

 $[_]$ Mark (X) this box if you attach a continuation sheet.

I	process type	=•			
<u>_</u>]	Process type	PLASTICS FA	BRICATION		
	Unit Operation * ID Number	Typical Equipment Type	Operating Temperature Range (°C)	Operating Pressure Range (mm Hg)	Vess <u>Compos</u>
	7.A3	VACOUM CHAMBER	AMBIENT	0-29	i
		WRING OVEN	100 150	~/A	<u></u> N/•
					
					

	question and compl	ete it separately for each	process type.	
CBI		(
	Process type	PLASTICS FABRICATION		- I - I
	Process Stream ID Code	Process Stream _Description	Physical State	Stream Flow (kg/y
	N/A	J∕A	<u> </u>	- N/A
	GC = Gas (condens GU = Gas (unconde SO = Solid SY = Sludge or sl AL = Aqueous liqu OL = Organic liqu	id	and pressure) re and pressure)	

[_]	Process type	PLASTICS F	ABRICATION		
	a.	b.	с.	d.	e.
٠	Process Stream ID Code	Known Compounds ¹	Concen- trations ^{2,3} (% or ppm)	Other Expected Compounds	Estimated Concentrations (% or ppm)
		n/v		n\/A	<u> </u>
					
7.06	continued be	STOM			
					•

7.06	(continued)
/ • • •	(

¹For each additive package introduced into a process stream, specify the compounds that are present in each additive package, and the concentration of each component Assign an additive package number to each additive package and list this number in column b. (Refer to the instructions for further explanation and an example. Refer to the glossary for the definition of additive package.)

Additive Package Number		Components Additive Pac	of kage	Concentrations (% or ppm)
1		HA		4/4
2				
			·	
3				
4				
5				
² Use the follow	ing codes to	designate how t	he concentrati	on was determined:
A = Analytical E = Engineerin	result g judgement/	calculation/		
³ Use the follow	ing codes to	o designate how t	he concentrati	on was measured:
<pre>V = Volume W = Weight</pre>				
ark (X) this bo	. : :	tach a continuati	on sheet	

* <u>.</u>	•							
PART	A RESIDUAL TREATMENT PROCESS DESCRIPTION							
8.01 <u>CBI</u>	In accordance with the instructions, provide a residual treatment block flow diagra which describes the treatment process used for residuals identified in question 7.0							
[_]	Process type PLASTICS FABRICATION							
	ė	•						
	A/ι_0							
	•							

[_] Mark (X) this box if you attach a continuation sheet.

CBI	process type.	diagram(s). If a residual treatment block flow diagram is provided for more than of process type, photocopy this question and complete it separately for each process type. (Refer to the instructions for further explanation and an example.) Process type							
	а.	b.	c.	d.	е.	f.	g.		
	Stream ID Code	Type of Hazardous Waste	Physical State of Residual ²	Known Compounds³	Concentra- tions (% or ppm) ,5,6	Other Expected Compounds	Estimated Concentrations (% or ppm)		
		·							
 3.05	continue								

**Juse the following codes to designate the type of hazardous waste: I = Ignitable C = Corrosive R = Reactive E = EP toxic T = Toxic H = Acutely hazardous **Juse the following codes to designate the physical state of the residual: GC = Gas (condensible at ambient temperature and pressure) GU = Gas (uncondensible at ambient temperature and pressure) SO = Solid SY = Sludge or slurry

IL = Immiscible liquid (specify phases, e.g., 90% water, 10% toluene)

8.05 continued below

AL = Aqueous liquid OL = Organic liquid

[] Mark (X) this box if you attach a continuation sheet.

8	Λ	5	1	_	on	t	i	n	11	٥	d	١
О.		_	١,	L	OH	Ļ	_	7 7	u	c	u	

8.05

³For each additive package introduced into a process stream, specify the compounds that are present in each additive package, and the concentration of each component Assign an additive package number to each additive package and list this number in column d. (Refer to the instructions for further explanation and an example. Refer to the glossary for the definition of additive package.)

Additive Package Number	Components of Additive Package	Concentrations (% or ppm)
1	N/A	۵/۵
-		***
2		
3		
4		
5		
	designate how the concentration	was determined:
<pre>A = Analytical result E = Engineering judgement/c</pre>	alculation	
continued below		
Mark (X) this box if you att	ach a continuation sheet.	

8.05	(continued)
------	-------------

ż

⁵Use the following codes to designate how the concentration was measured:

V = Volume

W = Weight

⁶ Specify the analytical test methods used and their detection limits in the table below. Assign a code to each test method used and list those codes in column e.

Code	Method	Detection Limi (± ug/l)
1	NA	
3		
4		
6		

[__] Mark (X) this box if you attach a continuation sheet.

CBI								
[_]	Process	type	··· PLASTIC	s FABRICA	TION			
	a.	b.	c.	d.	e	? <u>.</u>	f. Costs for	g.
	Stream ID Code	Waste Description Code	Management Method Code ²	Residual Quantities (kg/yr)	of Resi	agement dual (%) Off-Site	Off-Site Management (per kg)	Changes : Management Methods
		_ NA	NA	<u> </u>	۸ الد	_ N/a		<u> </u>
						, 		
	¹ Use th	e codes prov	ided in Exhi	ibit 8-1 to d	 lesignate	the waste	descriptions	:
	² Use th	e codes prov	ided in Exhi	lbit 8-2 to d	lesignate	the manage	ment methods	;

[_]	your process	Ch	Combustion Chamber Temperature (°C)		tion of erature nitor	Residence Time In Combustion Chamber (seconds)		
	Incinerator	Primary	Secondary	Primary	Secondary	Primary	Secondar	
	1	n)A		Ala	NA	ALA	N/A	
	2						<u> </u>	
	3							
	Indicat by circ	e if Office ling the app	of Solid Wast propriate rest	te survey ha	as been submit	tted in lieu	of respons	
	Yes						••••••	
8.23 <u>CBI</u> []	Complete the are used on-s treatment blo	ite to burn	the residuals gram(s). Air Po	s identified	st (by capaci	Type:	s of ns Data	
CBI	are used on-s	ite to burn	the residuals gram(s). Air Po	s identified	st (by capaci	Type:	s of	
CBI	are used on-s treatment blo	ite to burn	the residuals gram(s). Air Po Contro	s identified	st (by capaci	Type:	s of ns Data	
CBI	are used on-s treatment blo	ite to burn	the residuals gram(s). Air Po Contro	ollution	st (by capaci	Type Emission Avai	s of ns Data	
CBI	are used on-s treatment blo Incinerator 2 3	ite to burn ck flow diag	the residuals gram(s). Air Po	ollution l Device		Type: Emission Avai	s of ns Data lable	
CBI	Incinerator 2 Indicate by circ	ite to burn ck flow diag e if Office ling the ap	of Solid Was	ollution l Device te survey happonse.	as been submi	Type: Emission Avai N/A tted in lieu	s of ns Data lable of respon	
CBI	Incinerator 2 Indicate by circ	ite to burn ck flow diag e if Office cling the app	of Solid Was	ollution l Device te survey haponse.	as been submi	Type: Emission Avai ハ/A tted in lieu	s of ns Data lable of respon	
CBI	Incinerator 2 Indicate by circ Yes	ite to burn ck flow diag	of Solid Was	ollution l Device te survey happonse.	as been submi	Type: Emission Avai N/A tted in lieu	of respon	
CBI	Incinerator 1 2 3 Indicate by circ	ite to burn ck flow diag	of Solid Was	ollution l Device te survey haponse.	as been submi	Type: Emission Avai N/A tted in lieu	of respon	

	Mark (X) the appropriate column to indicate whether your company maintains records the following data elements for hourly and salaried workers. Specify for each data
CBI	element the year in which you began maintaining records and the number of years the records for that data element are maintained. (Refer to the instructions for further
[_]	explanation and an example.) Data are Maintained for: Year in Which Number of

explanation and an example;				
Data Element	Data are Ma Hourly Workers	intained for Salaried Workers	Year in Which Data Collection Began	Number of Years Record Are Mainta
Date of hire		X	1950	INTELIMITER
Age at hire			1950	INPERINTER
Work history of individual before employment at your facility	×_	×	1950	INDEFILITEL
Sex		X	1950	INDEMNITE
Race	<u>×</u>	X	1950	INPELINITEL
Job titles		X	1950	INDEFINITEL
Start date for each job		X	1950	INDEFINITE
End date for each job title	X	X	1950	INDEFINITEL
Work area industrial hygiene monitoring data	NA	~/A	A	u/A
Personal employee monitoring data	M/A	N/A		N/A
Employee medical history		X	1950	INDEFINITEL
Employee smoking history	A/K	<u> </u>	N/A	4/4
Accident history		X	1950	MAEFINITEL
Retirement date	<u> </u>	X	1950	INDEFINITEL
Termination date		×	1950	INDEFINITE
Vital status of retirees	N/A	N/A	N/A	N/A
Cause of death data	NA	N/A	<u> </u>	N/A

[-]	Mark	(X)	this	box	if	you	attach	a	continuation	sheet
-----	------	-----	------	-----	----	-----	--------	---	--------------	-------

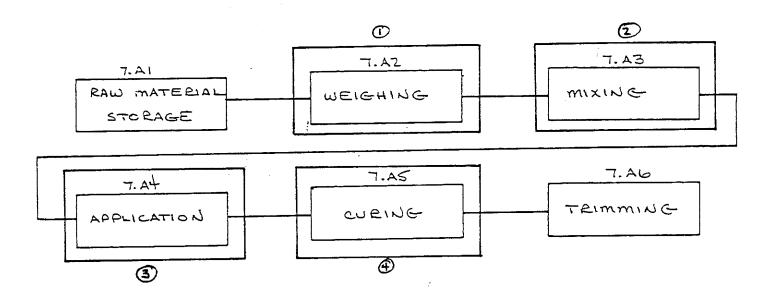
9.02	In accordance with the in which you engage.	instructions, complete	the following ta	ble for e	ach activity
CBI					
[_]	a.	b.	c.	d.	e.
	Activity	Process Category	Yearly Quantity (kg)	Total Workers	Total Worker-Hours
	Manufacture of the listed substance	Enclosed	N/A	N/A	N/A
	listed substance	Controlled Release			
-		0pen			
	On-site use as	Enclosed			
	reactant	Controlled Release			
		0pen			
	On-site use as	Enclosed			
	nonreactant	Controlled Release			
		0pen			
	On-site preparation	Enclosed			
	of products	Controlled Release			
		0pen	4,73		180

9.03	Provide a descripti encompasses workers listed substance.	ve job title for each labor category at your facility that who may potentially come in contact with or be exposed to the
CBI		
[_]		
	Labor Category	Descriptive Job Title
	A	PLASTICS FABRICATOR
	* B	
	С	
	D	
	E	
	F.	•
	G	
	H	
	I	
	J	
		-

9.04 In accordance with the instructions, provide your process block flow diagram(s) and indicate associated work areas.

CBI

Process type PLASTICS FABRICATION



[__] Mark (X) this box if you attach a continuation sheet.

9.05	may potentially come additional areas not	work area(s) shown in question 9.04 that encompass workers who in contact with or be exposed to the listed substance. Add any shown in the process block flow diagram in question 7.01 or s question and complete it separately for each process type.
CBI		
[_]	Process type	PLASTICS FABRICATION
	Work Area ID	Description of Work Areas and Worker Activities
	* 1	POTTING AREA-WORKER ACCUIRES CORRECT AMOUNT OF FOAMS
	2	POTTING AREA - WORKER PREPARES FOAM MIXTURE
	3	POTTING AREA-WORKER APPLIES FORM TO MOLD OR ARTICLE
	4	POTTING AREA-FOAM CURES IN OVEN
	5	TOTTING ACCA PORTY COLONIA
	6	
	7	
	•	
	8	
	9	
	10	
		•

Process type PLASTICS FABRICATION									
Work area									
*Labor Category	Number of Workers Exposed	Mode of Expos (e.g., di skin cont	rect	Physical State of Listed Substance ¹	Average Length of Exposure Per Day ²	Number of Days per Year Exposed			
		DIRECT SKID CE	WTACT	OL	<u> </u>	<u> 30 </u>			
		 							
	49-99-99-99-99-99-99-99-99-99-99-99-99-9					*******			
									
	lowing codes of exposure:	to designate th	ne physi	cal state of	the listed su	bstance at			
tempe GU = Gas (condensible at rature and pro uncondensible	essure) at ambient	AL = OL =	Sludge or sl Aqueous liqu Organic liqu	id id				
	rature and prodes fumes, var		IL =	Immiscible l (specify pha 90% water, 1	ses, e.g.,				
² Use the fol	lowing codes t	o designate av	erage l	ength of expo	sure per day:				
	tes or less than 15 minut ng 1 hour	es, but not		exceeding 4 h	2 hours, but rours 4 hours, but r				
	than one hour			exceeding 8 h					

9.07	Unighted Average (egory represented in question 9.06 TWA) exposure levels and the 15-minstion and complete it separately for	nute beak exposure levels.
CBI			
[_]	Process type	PLASTICS FABRICATION	
	Work area		1-4
	Labor Category	8-hour TWA Exposure Level (ppm, mg/m³, other-specify)	15-Minute Peak Exposure Leve (ppm, mg/m ³ , other-specify)
	A	UNK	UNK
		•	

.08 BI	If you monitor worke	r exposur	e to the li	sted substai	nce, compl	ete the fo	llowing table
<u></u>]	Sample/Test	Work Area ID	Testing Frequency (per year)	Number of Samples (per test)	Who Samples ¹	Analyzed In-House (Y/N)	Number of Years Record Maintained
	Personal breathing zone		N/A				
	General work area (air)		ALA				
	Wipe samples		A/A				
	Adhesive patches		A/4				
	Blood samples		<u>~\^/A</u>				
	Urine samples		N/A				
	Respiratory samples		N/A				
	Allergy tests		<u> </u>				
	Other (specify)						
	Other (specify)						
	Other (specify)						
	¹ Use the following c A = Plant industria B = Insurance carri C = OSHA consultant D = Other (specify)	l hygieni er		o takes the	monitorin	g samples:	

[<u></u>]	Sample Type	Sa	ampling and Analyt	ical Methodolo	ogy			
				•				
	•							
9.10	If you conduct person specify the following	nal and/or ambient g information for e	air monitoring fo each equipment typ	r the listed see used.	substance,			
CBI	_			Averaging				
[_]	Equipment Type ¹	Detection Limit ²	Manufacturer	Time (hr)	Model Number			
			,					
	1							
	A = Passive dosimeter B = Detector tube C = Charcoal filtra D = Other (specify)	er		oring equipmen				
	Use the following codes to designate ambient air monitoring equipment types:							
	E = Stationary monitors located within work area F = Stationary monitors located within facility G = Stationary monitors located at plant boundary H = Mobile monitoring equipment (specify) I = Other (specify)							
	² Use the following co	odes to designate d	letection limit un	its:				
	A = ppm B = Fibers/cubic centimeter (f/cc) C = Micrograms/cubic meter (μ/m³)							

<u>BI</u>	Test Description	Frequency (weekly, monthly, yearly, etc.)
	NA	NA
	•	
		·

9.12	Describe the engineering cor to the listed substance. Ph process type and work area.	ntrols that you notocopy this	u use to reduce of question and comp	r eliminate wor lete it separat	cker exposu ely for ea
CBI					
[_]	Process type	PLASTICS FA	BRICATION		
	Work area			1-4	
	Engineering Controls	Used (Y/N)	Year Installed	Upgraded (Y/N)	Year Upgrade
	Ventilation:		·		
	Local exhaust	4	:979		
	General dilution	<u> </u>	UNK	_ 1	
	Other (specify)				
	Vessel emission controls	N			
	Mechanical loading or packaging equipment	<u></u>			
	Other (specify)				
				•	-

<u> 31</u>	prior to the reporting year that have resulted in a reduc the listed substance. For each equipment or process modi the percentage reduction in exposure that resulted. Phot complete it separately for each process type and work are	fication described, sta ocopy this question and
_]	Process type PLASTICS FABRICATION	
	Work area	1-4
	* December 1161 antique	Reduction in Worker
	Equipment or Process Modification	Exposure Per Year (
	N/A	بالم
		•
	<u>.</u>	

9.14	in each work area	nal protective and safety equ in order to reduce or elimina opy this question and complet	te their exposure	e to the liste	ed .
CBI			·		
[_]		PLASTICS FABRICATION			
	Wofk area		• • • • • • • • • • • • • • • • • • • •	1-4	
			Wear or Use		
		Equipment Types	(Y/N)		
		Respirators	N		
		Safety goggles/glasses	<u> </u>		
		Face shields	<u> </u>		
		Coveralls	N		
		Bib aprons			
		Chemical-resistant gloves			
		Other (specify)			

 $[\ \]$ Mark (X) this box if you attach a continuation sheet.

CBI	complete it	I the type and frequence separately for each p	process type.			
	Process typ	De PLASTICS	S FABRICATIO	ده		
	* Work Area	Respirator Type	Average Usage ¹	Fit Tested (Y/N)	Type of Fit Test ²	Frequency of Fit Tests (per year)
		مارم		n/A	<u> </u>	سالد
						are an area and a second a second and a second a second and a second a second and a second and a second and a
	B = Weekly C = Monthl D = Once a E = Other	y year (specify)	mate the type	of fit tes	+•	
	C = Monthl D = Once a E = Other	y year (specify) llowing codes to designative	nate the type	of fit tes	t:	
	C = Monthl D = Once a E = Other ² Use the fo	y year (specify) llowing codes to designative	nate the type	of fit tes	t:	
	C = Monthl D = Once a E = Other ² Use the fo	y year (specify) llowing codes to designative	nate the type	of fit tes	t:	
	C = Monthl D = Once a E = Other ² Use the fo	y year (specify) llowing codes to designative	nate the type	of fit tes	t:	

PART	E WORK PRACTICES							
9.19 <u>CBI</u>	Describe all of the work practices and administrative controls used to reduce or eliminate worker exposure to the listed substance (e.g., restrict entrance only to authorized workers, mark areas with warning signs, insure worker detection and monitoring practices, provide worker training programs, etc.). Photocopy this question and complete it separately for each process type and work area.							
[_]	Process type PLASTICS FABRICATION							
	Work area							
	AREA IS MARKED WITH	NARNING SIENS	SURING PROC	E5S				
	WORKER TRAINED AS TO				ESS			
	COMPANY-WIDE CHEMICAL I		2					
				·				
9.20	Indicate (X) how often you perform each housekeeping task used to clean up routine leaks or spills of the listed substance. Photocopy this question and complete it separately for each process type and work area. Process type PLASTICS FARRICATION Work area							
	Housekeeping Tasks	Less Than Once Per Day	1-2 Times Per Day	3-4 Times Per Day	More Than 4 Times Per Day			
	Sweeping							
	Vacuuming	<u> </u>			- Angelina in the second of th			
	Water flushing of floors	×						
	Other (specify)							
[]	Mark (X) this box if you a	ttach a continua	tion sheet.					

9.21	Do you have a written medical action plan for responding to routine or emergency exposure to the listed substance?
	Routine exposure
	Yes
	No
	Emergency exposure
	Yes
	No(2)
	If yes, where are copies of the plan maintained?
	Routine exposure:
	Emergency exposure:
_	
9.22	Do you have a written leak and spill cleanup plan that addresses the listed substance? Circle the appropriate response.
	Yes
	No
	If yes, where are copies of the plan maintained? BUILDINGS # 1 & 3
	Has this plan been coordinated with state or local government response organization Circle the appropriate response.
	Yes!
	No
9.23	Who is responsible for monitoring worker safety at your facility? Circle the appropriate response.
	Plant safety specialist
	Insurance carrier
	OSHA consultant
	Other (specify)
[_]	Mark (X) this box if you attach a continuation sheet.

SECTION 10 ENVIRONMENTAL RELEASE

General Instructions:

Complete Part E (questions 10.23-10.35) for each non-routine release involving the listed substance that occurred during the reporting year. Report on all releases that are equal to or greater than the listed substance's reportable quantity value, RQ, unless the releas is federally permitted as defined in 42 U.S.C. 9601, or is specifically excluded under the definition of release as defined in 40 CFR 302.3(22). Reportable quantities are codified in 40 CFR Part 302. If the listed substance is not a hazardous substance under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and thus, does not have an RQ, then report releases that exceed 2,270 kg. If such a substance however, is designated as a CERCLA hazardous substance, then report those releases that ar equal to or greater than the RQ. The facility may have answered these questions or similar questions under the Agency's Accidental Release Information Program and may already have this information readily available. Assign a number to each release and use this number throughout this part to identify the release. Releases over more than a 24-hour period ar not single releases, i.e., the release of a chemical substance equal to or greater than an RQ must be reported as a separate release for each 24-hour period the release exceeds the RQ.

For questions 10.25-10.35, answer the questions for each release identified in question 10.23. Photocopy these questions and complete them separately for each release.

PART A	GENERAL INFORMATION
10.01	Where is your facility located? Circle all appropriate responses.
CBI	
[_]	Industrial area
	Urban area
	Residential area
	Agricultural area
	Rural area
	Adjacent to a park or a recreational area
	Within 1 mile of a navigable waterway
	Within 1 mile of a school, university, hospital, or nursing home facility
	Within 1 mile of a non-navigable waterway ①
	Other (specify)1
	Mark (X) this box if you attach a continuation sheet.

	Specify the exact location of your facility (from central point where process is located) in terms of latitude and longitude or Universal Transverse Mercad (UTM) coordinates.								
	Latitude		0:to ° 13						
	Longitude	•••••••••••••••••••••••••••••••••••••••	075 0 13	<u>' 45</u>					
	UTM coordinates Zone	, North	ing, Eas	ting					
10.03	If you monitor meteorological conthe following information.	ditions in the vicin	ity of your facil	ity, provide					
	Average annual precipitation		NA	inches/yea					
	Predominant wind direction		NA						
10.04	Indicate the depth to groundwater Depth to groundwater		ı	meters					
10.05 CBI	For each on-site activity listed, listed substance to the environment Y, N, and NA.)	indicate (Y/N/NA) alnt. (Refer to the in	ll routine releas	es of the definition o					
[_]			ironmental Releas	_					
	On-Site Activity	Air	<u>Water</u>	Land					
	Manufacturing	<u>N/A</u>	<u> </u>	<u> </u>					
	Importing	<u> </u>	<u> </u>	N/A					
	Processing	NA	u/~						
				NA					
	Otherwise used	A/A	A/u						
	Otherwise used Product or residual storage	م/م م/م	1/A 1/A						
									
	Product or residual storage	<u> </u>	2/4	/A /A					
	Product or residual storage Disposal	1/A 1/A	- - -	N/A N/A					

10.08 CBI	for each process stre	technologies used to minimize release on containing the listed substance as indual treatment block flow diagram(s). The rately for each process type.	dentified in your
[_]	Process type	PLASTICS FABRICATION	
	Stream ID Code	Control Technology	Percent Efficiency
	ALA	NA	Ak
			•

PART I	RELEASE TO	AIR							
10.09 <u>CBI</u> [_]	substance in residual tresidual tresource. Do sources (e.g for each president)	Point Source Emissions Identify each emission point source containing the listed substance in terms of a Stream ID Code as identified in your process block or residual treatment block flow diagram(s), and provide a description of each point source. Do not include raw material and product storage vents, or fugitive emissio sources (e.g., equipment leaks). Photocopy this question and complete it separatel for each process type.							
	Process type	e PLASTIC	S FACRICATION						
	Point Source ID Code		Description of Emission Point Source						
			LOCAL EXHAUST						
			•						
		4,4							
[_]	Mark (X) this	s box if you attac	ch a continuation sheet.						

Mark (X)

this

xoq

l l	Point Source ID Code	y completin Physical State	Average Emissions (kg/day)	Frequency ² (days/yr)	Duration ³ (min/day)	Average Emission Factor	Maximum Emission Rate (kg/min)	Maximum Emission Rate Frequency (events/yr)	Maximum Emission Rate Duration (min/event
	<u></u>		<u> </u>	_30	360	<u> </u>	UNK	UNK	UUK
			-						
				-					
				-1944		-			
									
					-	***			
						- The state of the			

	¹ Use th G = Ga	e following s; V = Vapo	codes to des	ignate physica ulate; A = Aer	l state at throsol; 0 = 0th	ne point of remer (specify)	elease:		

Frequency of emission at any level of emission

³Duration of emission at any level of emission

 $^{^4}$ Average Emission Factor — Provide estimated (\pm 25 percent) emission factor (kg of emission per kg of production of listed substance)

]	Point Source ID Code	Stack Height(m)	Stack Inner Diameter (at outlet) (m)	Exhaust Temperature (°C)	Emission Exit Velocity (m/sec)	Building Height(m) ¹	Building Width(m)	Vent Type
	-	5.5	.4	AMBIENT	الدن الد	4.9	10	
		******	g					

				-				
	¹ Height o	f attached	or adjacent	building				
	² Width of	attached o	or adjacent l	building				
	³ Use the	following o	codes to des:	ignate vent	type:			
	H = Hori V = Vert							

10.12	If the listed substance is emitted in particulate form, indicate the particle size distribution for each Point Source ID Code identified in question 10.09. Photocopy this question and complete it separately for each emission point source								
<u>CBI</u>	rhotocopy this question and complete	it separately for each emission point source.							
[_]	Point source ID code								
	Size Range (microns)	Mass Fraction (% \pm % precision)							
	4 < 1	NA							
	≥ 1 to < 10								
	≥ 10 to < 30								
	≥ 30 to < 50								
	≥ 50 to < 100								
	≥ 100 to < 500								
	≥ 500								
		Total = 100%							

10.13 <u>CBI</u>	Equipment Leaks Complete types listed which are expo according to the specified the component. Do this for residual treatment block fl not exposed to the listed s process, give an overall pe exposed to the listed subst for each process type.	sed to the l weight perce each proces ow diagram(s ubstance. I rcentage of	isted suint of the stype io). Do not this is time per	bstance a e listed dentified ot includ s a batch year tha	nd which substance in your e equipme or inter t the pro	are in se passing process b nt types mittently cess type	rvice through lock or that are operated is				
[_]	Process type P⊢ASTI	CS FABRIC	LIDITA								
	Percentage of time per year	Percentage of time per year that the listed substance is exposed to this process									
	type	• • • • • • • • • •	• • • • • • •				NIA				
					Service b ce in Pro						
		Less	or mister	Jubian			Greater				
	Equipment Type	than 5%	5-10%	11-25%	<u>26–75%</u>	<u>76-99%</u>	than 99				
	Pump seals ¹	,	ſ	i	i	1	1.				
	Packed	<u> </u>	4/4	~\/A	<u> </u>	- 1	A/4				
	Mechanical										
	Double mechanical ²										
	Compressor seals ¹										
	Flanges										
	Valves										
	Gas ³										
	Liquid										
	Pressure relief devices ⁴ (Gas or vapor only)										
	Sample connections										
	Gas										
	Liquid										
	Open-ended lines ⁵ (e.g., purge, vent)	:									
	Gas										
	Liquid	. ↓	V	Ą	\downarrow	V	V				

10.13 continued on next page

]	Mark	(X)	this	pox	if	you	attach	а	continuation	sheet
---	------	-----	------	-----	----	-----	--------	---	--------------	-------

10.13	(continued)			
	² If double mechanical seal greater than the pump stu will detect failure of the with a "B" and/or an "S",	offing box pressure a ne seal system, the b	nd/or equipped Wit	h a sensor (5) the
	³ Conditions existing in th	ne valve during norma	l operation	
	⁴ Report all pressure relie *control devices	ef devices in service	, including those	equipped with
	⁵ Lines closed during norma operations	al operation that wou	ld be used during	maintenance
10.14 CBI	Pressure Relief Devices wi pressure relief devices in devices in service are con enter "None" under column	dentified in 10.13 to atrolled. If a press	indicate which pr	essure refrer
[_]	a.	b.	۶.	d. Estimated
	Number of Pressure Relief Devices	Percent Chemical in Vessel	Control Device	
	ń/A	n/a	4/4	A\/A
			1	
	Refer to the table in quest heading entitled "Number of Substance" (e.g., <5%, 5-1	of Components in Serv 10%, 11-25%, etc.)	rice by Weight Perd	cent of Listed
	² The EPA assigns a control with rupture discs under a efficiency of 98 percent a conditions	normal operating cond	litions. The EPA a	assigns a control
[_]	Mark (X) this box if you a	ttach a continuation	sheet.	

Process type			PLASTICS F	ABBICATION	
	Leak Detection Concentration (ppm or mg/m³) Measured at	-	Frequency of Leak	Repairs Initiated	Repairs Completed
Equipment Type	Inches from Source	Detection Device		(days after detection)	(days afte
Pump seals					÷
Packed	N/A	4/4	2/2	N/A	1/4
Mechanical					
Double mechanical					
Compressor seals					
Flanges					
Valves					
Gas					
Liquid					
Pressure relief devices (gas or vapor only)					
Sample connections					
Gas					
Liquid					
Open-ended lines					
Gas					
Liquid	√		V	*	¥

PART	E	NON-	-ROUTINE	RELEASES

Indicate the date and time when the release occurred and when the release ceas	
was stopped. If there were more than six releases, attach a continuation shee	t and
list all releases.	

Release	Date Started	Time (am/pm)	Date Stopped	Time (am/pm)
1	<u>~/~</u>	· \/A	N/A	N/A
2				
3				· ·
4				
5				
6				•

10.24 Specify the weather conditions at the time of each release.

Release	Wind Speed (km/hr)	Wind Direction	Humidity (%)	Temperature (°C)	Precipitation (Y/N)
1	A/A	N/A	n/a	<u> </u>	~ /A
2	*				
3					
4					
5	***************************************				
6 .					

	Mark	(X)	this	box	if	you	attach	а	continuation	sheet.
--	------	-----	------	-----	----	-----	--------	---	--------------	--------





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American Electronic Labs., Inc. Facilities Dept.

EMERSON AND CURING, INC., A GRACE CO. TT ERAGON COURT, WOBURN, HA C1983 EMERGENCY/SAFETY INFORMATION: (517)935-4850 ACDITIONAL HSDS: (517)828-3300

PRODUCT (TRACE) HAME: ECCOFGAM FP GENERAL CHEMICAL DESCRIPTION: ISCOMMATE PREPOLYMER ----- SECTION II-INGREDIENTS-----MAXIFUM EXPOSURE VALUE (PPM) (& HOUR TIME-HEIGHTED AVERAGE) FLASH PCINT (AF) CSHA PEL HAZARDOUS INGRELIENTS & BY WEIGHT ACEIH TLV TOLGENE DIISCCYAHATE (CAS 4: 5E4-84-5) < 20.0 270 0.02 PPH 2.0 05 PPM NUN-HAZARDOUS IN GREDIENTS * BY HEIGHT ISOCYANATE PREPCLYMER, PIGMENTS. > 80.3 BOILING POINT ("F): NOT DETERMINED SPECIFIC GRAVITY (MATER=1): 1.12 WAPER PRESSURE AT 25°C: NEGLIGIBLE SGLUBILITY IN WATER: SLIGHTLY SOLUBLE. REACTS WITH WATER. VOLATILES (% BY HEIGHT): NEGLIGIELE WAFOR DENSITY: HEAVIER THAN AIR APPEARANCE AND (DOR: RED LIQUID

FLASH POINT (*F): 335 (TAG (PEN CLP: ASTM D1310)

FLANHABLE LIMITS: NOT ESTABLISHED

EXTINGUISHING MEDIA: CARBON DIDXIDE, DFY CHEMICAL, FOAM, WATER FOG.

UNUSUAL FIRE OR EXPLOSION HAIARDS: 1F EXPOSED TO ELEVATED TEMPERATURES FOR EXTENDED PERIODS OF TIME, SPONTAMEOUS EXOTHERMIC POLYMERIZATION MAY OCCUR, RESULTING IN VIOLENT RUPTURING OF SEPLED CENTAINERS. TOXIC FUMES HAY BE EVOLVED UPON EXPOSURE TO HEAT OR OPEN FLAME.

------SECTION IN-FIRE AND EXPLOSION HAZIRD DATA-----

SPECIAL FIREFIGHTING PROCEDURES: FIREFIGHTERS SHOULD WEAR SELF-CONTAINED GREATHING APPARATUS. COMPLETE BODY PROTECTION REQUIRED FOR FIGHTING MAJOR FIRES.

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ECCOFUAN FP

PRODUCT IS STABLE, HOWEVER, HAZAREOUS POLYMERIZATION MAY COOUR IF EXPOSED TO HEAT OR OPEN FLAPE.

INCEMPATIBLE WITH STRONG OXIDIZERS, ALCOHOLS, WATER, STRONG BASES, ACIDS.

HAZARODUS DECOMPOSITION PROLUCTS PAY INCLUDE: CARBON HONCXIDE, CARBON DIBLIDE, OXIDES OF NITROGEN, TRACES OF CYANIDES.

CONDITIONS TO AVOID: STOFAGE IN OPEN CONTAINERS, EXPOSURE TO HEAT AND/OR OPEN FLAME, EXPOSURE TO INCOMPATTILE SUESTANCES (ABOVE)

NOTE: PROTECTIVE GLOVES, CLOTHING, RESPIRATORY PROTECTION AND EYE COGGLES HUST BE HORN DURING ENTIRE CLEAN-UP PROCEDURE.

FOR SHALL SPILLS: TURN ON ALL MENTILATION EQUIPMENT IN AREA TO EVACUATE FUMES. WIPE UP, OR ABSORB WITH LERMICLLITE OR OTHER ABSORBENT MATERIAL. USE OF SCLUENTS FOR CLEAR-LP SHOLLD BE LIMITED TO VERY SHALL SPILLS; USE WITH PROPER

VENTILATION AND FIRE PRECAUTIONS.

CULLECT WASTE IN SEALED CONTAINERS. SCRUB AREA WITH SOAPY WATER AND RIMSE.

SPILLED MATERIAL AND LATER FINSES ARE CLASSIFIED AS CHEMICAL WASTE, AMD MUST BE DISPOSED OF IN ACCORDANCE WITH CURRENT LOCAL, STATE, AND FEDERAL REGULATIONS.

FOR LARGE SPILLS: TURN ON ALL VENTILATION EQUIPMENT IN AREA TO EVACUATE FUMES. NON-ESSENTIAL PERSONNEL SHOLLD BE EVACUATED FROM IMMEDIATE AREA.

DIKE AREA TO PREVENT SPREADING.

SHOVEL OR PUMP TO BRUP OR SILVAGE TANK.

ABSCRB RESIDUAL HATERIAL WITH SAND, VERFICULITE, OR OTHER ABSOREENT MATERIAL. SCRAPE OR SHOVEL ABSORBED WASTE AND ABSCRBENT INTO CONTAINERS.

THOROUGHLY SCRLB RESIDUAL PATERIAL OF AQUEOUS 18 AMMONIA AND 5% ISOPROPANOL.

COLLECT MATER RIMSES IN D.O.T.-APPROVED CONTAINERS, SEPARATE FROM MATERIAL ABSORBED WITH VERNICULITE.

POLYMERIZED MATERIAL MAY 85 SCRAPED UP AND DISPOSED OF SEFERATELY.

SPILLED MATERIAL AND LATER FINSES ARE CLASSIFIED AS HAZARDOUS WASTE, AND MUST BE DISPOSED OF IN ACCORDANCE WITH CURRENT LOCAL, STATE, AND FEDERAL REGULATIONS.

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ECCOFOAM FP

PERSONAL PROTECTION: AVOID SKIN AND EYE CONTACT. PROTECTIVE GLOVES AND CLOTHING, AND EYE GOGGLES WITH SIDE SHIELDS FUST GE WORN.
AVOID ERRATHING VAPORS. USE ONLY WITH ALEQUATE VENTILATION.

STORAGE: STORE IN COLL, DRY PLACE; KEEF REMOVED FROM ANY HEAT OR OPEN FLAME. KEEP CONTAINER CLOSED WHEN NOT IN USE. DO NOT EXPOSE TO HOISTURE; POISTURE WILL MAKE PRODUCT UNUSABLE.

VENTILATION REQLIREMENTS: FLEXIBLE DUCTIONK SHOULD EXTEND TO AREAS OF HIGH CONCENTRATION TO PREVENT LOCAL BUILDUP OF VAFOR. PIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS SHOULD BE USED IN THE PESENCE OF MECHANICAL VENTILATION WHEN WORKING WITH LARGE QUARTITIES OF MATERIAL.

FLAMMABILITY/ EXPLOSION PRECAUTIONS: KEEP AWAY FROM INTENSE HEAT, OPEN FLAMMES.

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PA SE 3 OF 4



ECCOFUAN FP

------SECTION VIII-HEALTH HAZARD DATA-----

MARNING: CONTAINS TOLUENE DIESCYANATE.

EFFECTS OF ACUTE CHEREXPOSUFE

EMERGENCY FIRST ATO PROCETURES

INHALATION

VAPORS HAY PRODUCE IRSITATION AND MAUSEA. PROCONGED BREATHING MAY CAUSE ASTHMA. A PULMONARY SENSITIES

FEMOVE TO FRESH LIR

EYE CONTACT

SEVERE IRRITATION UPON DIRECT CONTACT

THEDIATELY FLUSH TY AS WITH WATER FOR 15 MINUTES; GOT METICAL ATTENTION

SKIN CONTACT

IRRIVATION UPON DIRECT CONTACT. PROLONGED EXPOSURE MAY RESULT IN SKIN SENSITIZATION REMOVE CONTAMINATED CLCTHING WASH AFFECTED AREA WITH WATER.

INGESTION

IRRITATION UPON DIRECT CONTACT

IMMEDIATELY FLUSH MY ES WITH WATER FOR 15 HINUTES; GET HEDICAL ATTENTION

EFFECTS OF CHRONIC OVEREXPOSURE: (VEREXFOSURE TO TOLUENE DIISCLYANATE HAS RESULTED IN DECREASED PULHDIARY FUNTION AND FIBROSIS IN HORKERS. ORAL GAVAGE ACMINISTRATION OF TOLIN CORN OIL TO RATS AND FICE FOR THO YEARS RESULTED IN AN INCREASED INCIDENCE OF TUMERS. SIX HOUR DAILY INHALATION EXPOSURES TO RAIS AND MICE OF 0.05 AND 0.15 PPH TOL FOR TWO YEARS DID NOT PRODUCE TUMORS. SINCE INHALATION IS THE USUAL FOUTE OF HUMAN EXPOSURE, THE CARCINGGENIC POTENTIAL OF TOLITO HUMANS HAS NOT BEEN ESTABLISHED. HOWEVER, TOLIS INCLUDED IN THE NTP LIST OF SUBSTANCES REASONABLY ANTICIPATED TO FE CARCINGENIC IN HUMANS

GET MEDICAL ATTENTION IF SYMPTOMS PERSIST

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PA GE 4 CF 4